

VANM143.001APC



SEQUENCE LISTING

<110> UNIVERSITE CATHOLIQUE DE LOUVAIN

UNIVERSITE DE MONS-HAINAUT

<120> PEROXISOME-ASSOCIATED PEPTIDE, NUCLEOTIDE SEQUENCE ENCODING  
SAID PEPTIDE AND THEIR USES IN THE DIAGNOSTIC AND/OR THE TREATMEN  
T OF LUNG INJURIES AND DISEASES? AND OF OXIDATIVE STRESS-RELATED D  
ISORDERS

<130> VANM143.001A

<140> US 09/486,167

<141> 2000-08-15

<160> 84

<170> PatentIn version 3.0

<210> 1

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (193)..(681)

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120

gcagcaagac ggtgcagtga aggagagtgg gcgtctggcg gggtcgcag tttcagcaga  
180

gccgtgcag cc atg gcc cca atc aag gtg gga gat gcc atc cca gca gtg  
231

Met Ala Pro Ile Lys Val Gly Asp Ala Ile Pro Ala Val

1

5

10

gag gtg ttt gaa ggg gag cca ggg aac aag gtg aac ctg gca gag ctg  
279

Glu Val Phe Glu Gly Glu Pro Gly Asn Lys Val Asn Leu Ala Glu Leu

15

20

25

ttc aag ggc aag aag ggt gtg ctg ttt gga gtt cct ggg gcc ttc acc  
327

Phe Lys Gly Lys Lys Gly Val Leu Phe Gly Val Pro Gly Ala Phe Thr

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45

cct gga tgt tcc aag aca cac ctg cca ggg ttt gtg gag cag gct gag  
375

Pro Gly Cys Ser Lys Thr His Leu Pro Gly Phe Val Glu Gln Ala Glu

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gct ctg aag gcc aag gga gtc cag gtg gtg gcc tgt ctg agt gtt aat  
423

Ala Leu Lys Ala Lys Gly Val Gln Val Val Ala Cys Leu Ser Val Asn

65

70

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gat gcc ttt gtg act ggc gag tgg ggc cga gcc cac aag gcg gaa ggc  
471

Asp Ala Phe Val Thr Gly Glu Trp Gly Arg Ala His Lys Ala Glu Gly

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85

90

aag gtt cgg ctc ctg gct gat ccc act ggg gcc ttt ggg aag gag aca  
519

Lys Val Arg Leu Leu Ala Asp Pro Thr Gly Ala Phe Gly Lys Glu Thr

95

100

105

gac tta tta cta gat gat tcg ctg gtg tcc atc ttt ggg aat cga cgt  
567

Asp Leu Leu Leu Asp Asp Ser Leu Val Ser Ile Phe Gly Asn Arg Arg

110

115

120

125

ctc aag agg ttc tcc atg gtg gta cag gat ggc ata gtg aag gcc ctg  
615

Leu Lys Arg Phe Ser Met Val Val Gln Asp Gly Ile Val Lys Ala Leu

130

135

140

aat gtg gaa cca gat ggc aca ggc ctc acc tgc agc ctg gca ccc aat  
663

Asn Val Glu Pro Asp Gly Thr Gly Leu Thr Cys Ser Leu Ala Pro Asn

145

150

155

atc atc tca cag ctc tga ggcctgggc cagattactt cctccacccc  
711

Ile Ile Ser Gln Leu

160

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805

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<212> PRT

<213> Homo sapiens

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Lys Lys Gly Val Leu Phe Gly Val Pro Gly Ala Phe Thr Pro Gly Cys  
35 40 45

Ser Lys Thr His Leu Pro Gly Phe Val Glu Gln Ala Glu Ala Leu Lys  
50 55 60

Ala Lys Gly Val Gln Val Val Ala Cys Leu Ser Val Asn Asp Ala Phe  
65 70 75 80

Val Thr Gly Glu Trp Gly Arg Ala His Lys Ala Glu Gly Lys Val Arg  
85 90 95

Leu Leu Ala Asp Pro Thr Gly Ala Phe Gly Lys Glu Thr Asp Leu Leu  
100 105 110

Leu Asp Asp Ser Leu Val Ser Ile Phe Gly Asn Arg Arg Leu Lys Arg  
115 120 125

Phe Ser Met Val Val Gln Asp Gly Ile Val Lys Ala Leu Asn Val Glu

130 135 140  
 Pro Asp Gly Thr Gly Leu Thr Cys Ser Leu Ala Pro Asn Ile Ile Ser  
 145 150 155 160  
 Gln Leu

<210> 3  
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 <213> Rattus rattus

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 <221> CDS  
 <222> (136)..(624)

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 <221> Unsure  
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 <223> purine

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 <221> Unsure  
 <222> (323)..(323)  
 <223> pyrimidine

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<221> Unsure

<222> (371)..(371)

<223> pyrimidine

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gcaggcagag caggccggaa aggagcaggt tgggagtgtg gtggggcccg cagcttcagc  
120

agtgccgcgg tgact atg gcc ccg atc aag gtg gga gac acc att ccc tca  
171

Met Ala Pro Ile Lys Val Gly Asp Thr Ile Pro Ser

1

5

10

gtg gag gta ttt gra ggg gaa cct gga aag aag gtg aac ttg gca gag  
219

Val Glu Val Phe Xaa Gly Glu Pro Gly Lys Lys Val Asn Leu Ala Glu

15

20

25

ctg ttc aag gac aag aaa ggt gtt ttg ttt gga gtc cct ggg gca ttt  
267

Leu Phe Lys Asp Lys Lys Gly Val Leu Phe Gly Val Pro Gly Ala Phe

30

35

40

aca cct ggc tgt tcc aag acc cat ctg cct ggg ttt gtg gag caa gcc  
315

Thr Pro Gly Cys Ser Lys Thr His Leu Pro Gly Phe Val Glu Gln Ala

45

50

55

60

gga gct cyg aag gcc aag gga gca caa gtg gtg gcc tgt ctg agt gtt  
363

Gly Ala Xaa Lys Ala Lys Gly Ala Gln Val Val Ala Cys Leu Ser Val

65

70

75

aat gat gyc ttc gtg act gca gag tgg ggt cga gcc cac cag gca gaa  
411

Asn Asp Xaa Phe Val Thr Ala Glu Trp Gly Arg Ala His Gln Ala Glu

80

85

90

ggc aag gtt cag ctc ctg gct gac ccc act gga gct ttt gga aag gag  
459

Gly Lys Val Gln Leu Leu Ala Asp Pro Thr Gly Ala Phe Gly Lys Glu

95

100

105

aca gat tta cta cta gat gat tct ttg gtg tct ctc ttt ggg aat cgt  
507

Thr Asp Leu Leu Leu Asp Asp Ser Leu Val Ser Leu Phe Gly Asn Arg

110

115

120

cgg cta aaa agg ttc tcc atg gtg ata gac aag ggc gta gta aag gca  
555

Arg Leu Lys Arg Phe Ser Met Val Ile Asp Lys Gly Val Val Lys Ala

125

130

135

140

ctg aac gtg gag ccg gat ggc aca ggc ctc acc tgc agc ctg gcc ccc  
603

Leu Asn Val Glu Pro Asp Gly Thr Gly Leu Thr Cys Ser Leu Ala Pro

145

150

155

aac atc ctc tca caa ctc tga ggccctgacc agaatgtcct ctgactctcc  
654

Asn Ile Leu Ser Gln Leu

160

catctcctcc acccagctct gggccaaagg cccagtacct ccttacctga gggccactgg

714

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774

aaaaaa  
780

&lt;210&gt; 4

&lt;211&gt; 162

&lt;212&gt; PRT

&lt;213&gt; Rattus rattus

&lt;220&gt;

&lt;221&gt; Modified-site

&lt;222&gt; 17

&lt;223&gt; Glu or Gly

&lt;220&gt;

&lt;221&gt; Modified-site

&lt;222&gt; 63

&lt;223&gt; Leu or Pro

&lt;220&gt;

&lt;221&gt; Modified-site

&lt;222&gt; 79

&lt;223&gt; Ala or Val

&lt;400&gt; 4

Met Ala Pro Ile Lys Val Gly Asp Thr Ile Pro Ser Val Glu Val Phe  
 1 5 10 15

Xaa Gly Glu Pro Gly Lys Lys Val Asn Leu Ala Glu Leu Phe Lys Asp  
 20 25 30

Lys Lys Gly Val Leu Phe Gly Val Pro Gly Ala Phe Thr Pro Gly Cys  
 35 40 45

Ser Lys Thr His Leu Pro Gly Phe Val Glu Gln Ala Gly Ala Xaa Lys  
 50 55 60

Ala Lys Gly Ala Gln Val Val Ala Cys Leu Ser Val Asn Asp Xaa Phe  
 65 70 75 80

Val Thr Ala Glu Trp Gly Arg Ala His Gln Ala Glu Gly Lys Val Gln  
 85 90 95

Leu Leu Ala Asp Pro Thr Gly Ala Phe Gly Lys Glu Thr Asp Leu Leu  
 100 105 110

Leu Asp Asp Ser Leu Val Ser Leu Phe Gly Asn Arg Arg Leu Lys Arg  
 115 120 125

Phe Ser Met Val Ile Asp Lys Gly Val Val Lys Ala Leu Asn Val Glu  
 130 135 140

Pro Asp Gly Thr Gly Leu Thr Cys Ser Leu Ala Pro Asn Ile Leu Ser  
 145 150 155 160

Gln Leu